

Colorado

Science and Engineering Profile

	STATE	U.S.	Rank		STATE	U.S.	Rank
Doctoral scientists, 1995	9,261	453,928	17	Total R&D performance, 1995 (millions)	\$2,603	\$177,210	20
Doctoral engineers, 1995	1,945	86,738	13	Industry R&D, 1995 (millions)	\$1,865	\$130,332	17
S&E doctorates awarded, 1996	545	27,230	17	Academic R&D, 1996 (millions)	\$407	\$22,481	18
of which, in engineering	28%	23%		of which, in life sciences	45%	56%	
in life sciences	20%	25%		in engineering	16%	16%	
in physical sciences	16%	14%		in physical sciences	13%	10%	
S&E postdoctorates, 1996	840	37,019	14	Higher education current-fund expenditures, 1995 (millions)	\$2,205	\$182,602	26
in doctorate-granting institutions							
S&E graduate students, 1996	8,934	430,631	16	Number of SBIR awards, 1990-1997	1,191	31,155	6
in doctorate-granting institutions				Patents issued to state residents, 1997	1,220	61,699	16
Population, 1997 (000s)	3,893	271,464	25	Gross state product, 1996 (billions)	\$116.2	\$7,677.4	23
Civilian labor force, 1997 (000s)	2,158	137,564	23	of which, agriculture	2%	2%	
Personal income per capita, 1997	\$27,051	\$25,598	10	manufacturing, mining, construction	19%	23%	
Federal spending				transportation, communication, utilities	11%	8%	
Total expenditures, 1997 (millions)	\$19,702	\$1,405,060	26	wholesale and retail trade	16%	16%	
R&D obligations, 1996 (millions)	\$1,281	\$66,087	14	finance, insurance, real estate	17%	19%	
				services	22%	20%	
				government	13%	12%	

Rankings and totals are based on data for the 50 states, D.C., and Puerto Rico.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development by Agency and Performer: Fiscal Year 1996

[Thousands of Dollars]

	Total	Federal Intramural	All FFRDCs	Industrial firms	Universities & Colleges	Other nonprofits	State & local government	State rank
Total, all agencies	1,281,066	178,799	177,552	642,652	226,849	50,845	4,369	14
Department of Agriculture	27,787	21,425	0	0	6,331	31	0	17
Department of Commerce	78,277	74,720	0	1,594	1,388	0	575	3
Department of Defense	601,477	24,567	278	554,596	21,845	191	0	16
Department of Energy	137,837	5,901	104,851	17,688	8,115	1,282	0	11
Dept. of Health & Human Services	158,751	893	0	5,390	121,657	27,761	3,050	18
Department of Interior	45,834	42,899	0	0	2,935	0	0	2
Department of Transportation	12,107	289	0	6,595	998	3,489	736	12
Environmental Protection Agency	5,592	0	0	657	2,050	2,885	0	17
Nat'l Aeronautics & Space Admin.	108,776	7,342	13,051	54,496	19,777	14,110	0	10
National Science Foundation	104,628	763	59,372	1,636	41,753	1,096	8	6
State rank	14	16	8	13	16	11	8	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable